ARSEIIAL

SUBWOOFER

CAISSON DE GRAVE

CS-AW8520 CS-AW8540



CS-AW8520 & CS-AW8540

JVC

For Customer Use: Enter below the Mod

Enter below the Model No, and Serial No, which is located either on the rear or bottom of the speaker unit. Retain this information for future reference.

Model No.

Serial No.

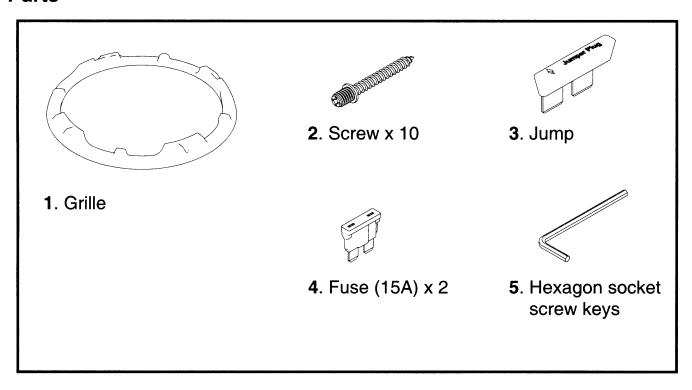
MANUEL D'INSTRUCTIONS

MANUAL DE INSTRUCCIONES

LVT1861-001A

Thank you for purchasing the ARSENAL Car Stereo Speaker. These Speakers can be mounted in the trunk of your vehicle. For the secure installation and perfect operation of your speakers, please read the following carefully.

Parts



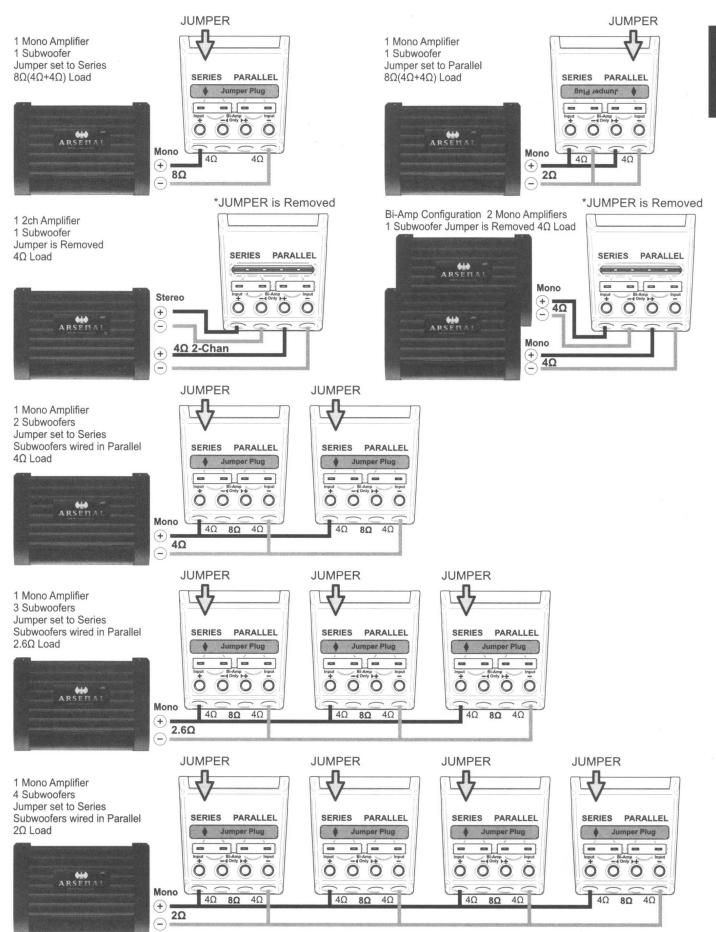
For proper installation and use

- 1.Before connecting the speakers to the amplifier, confirm that the power has been turned off. The click noise generated by the connection if the power is on may damage the speakers.
- 2. The amplifier and speakers should be connected between corresponding terminals, i.e. left to left, and right to right, as well as "+" to "+", and "-" to "-". Connection with reversed polarity will degrade the quality of stereo reproduction.
- 3.Do not subject the speakers to excessive input. The power handling capacity of the CS-AW8520/CS-AW8540 is 1500 watts (R.M.S. MUSIC POWER). Any excessive input may damage the speakers.
- 4.The CS-AW8520/CS-AW8540 has an impedance of 2Ω , 4Ω , 8Ω . Make sure that the output impedance of the amplifier's speaker terminal is rated at 2Ω , 4Ω , 8Ω .
- 5. When cleaning the speakers, use a soft cloth and wipe the surface gently. Do not apply thinner or solvent.
- 6.Be sure to carefully follow the instructions for:

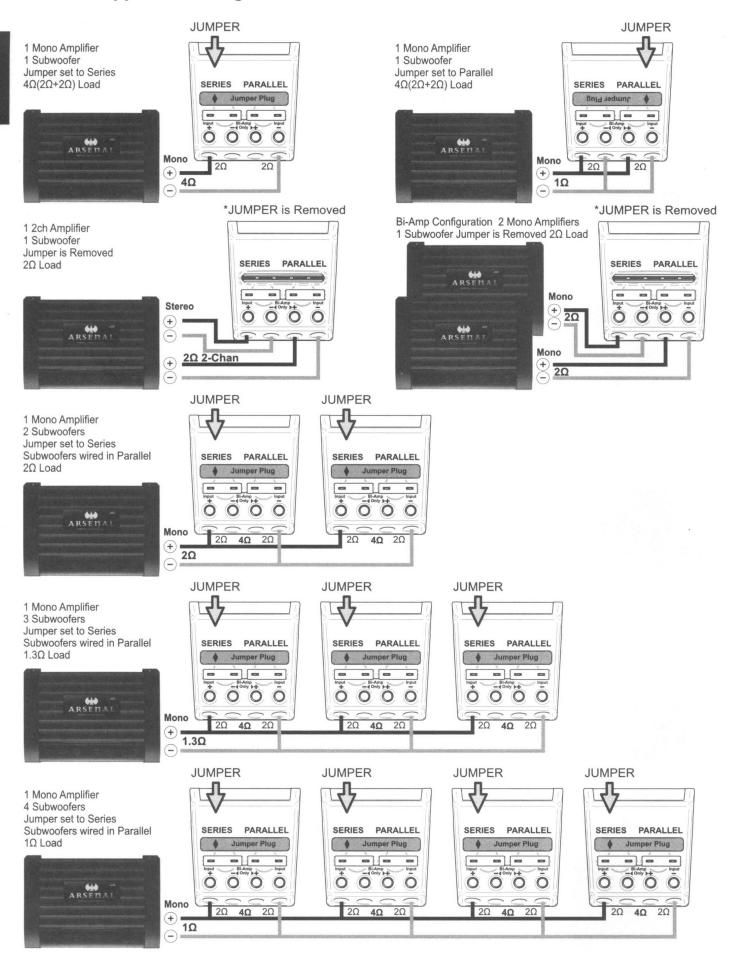
Cable Connections
Fuse Replacement
Switching the Impedance Selector
Subwoofer Mounting and Smart Trim Ring Installation

Consult Page 18 of this Instruction Manual for details on these procedures.

Dual 4 Ω Application Diagrams



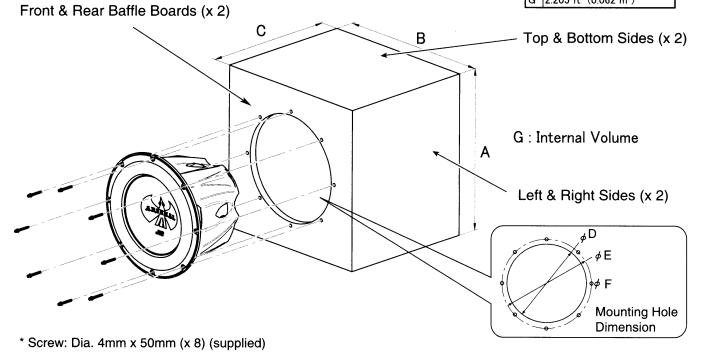
Dual 2 Ω Application Diagrams



■ To install the sealed enclosure

When the speaker cannot be attached in the car, make the sealed enclosure as recommended in the table below—20 mm (3/4 inch) MDF is also recommended for the enclosure materials.

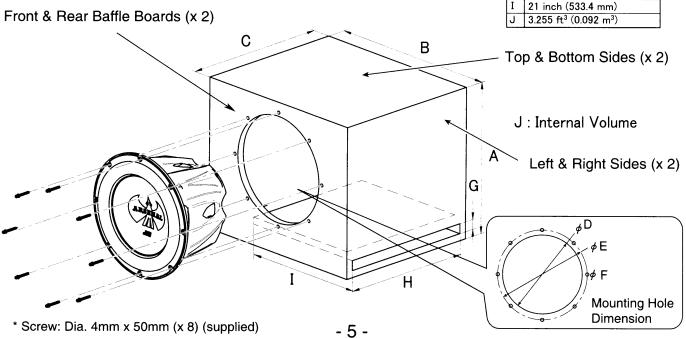
CS-AW8520 & 8540
A 26-14/32 inch (671.8 mm)
B 16-28/32 inch (429 mm)
C 10-31/32 inch (278.9 mm)
D 13-26/32 inch (351.2 mm)
E 13-18/32 inch (370mm)
F 4/32 inch (3 mm)
G 2.205 ft³ (0.062 m³)



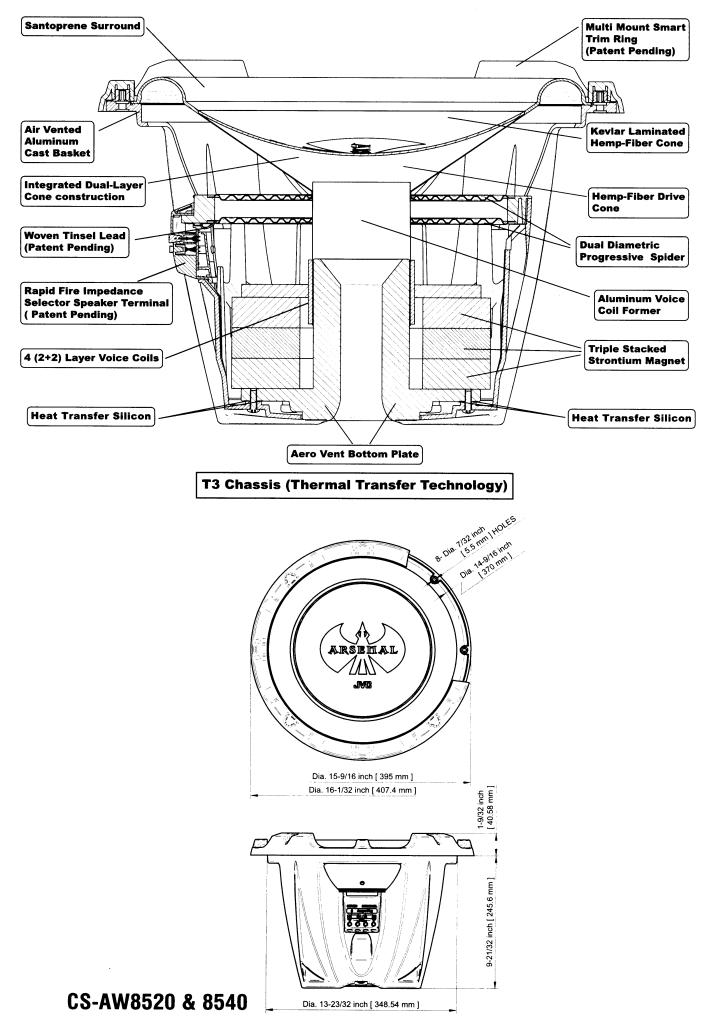
To install the ported enclosure

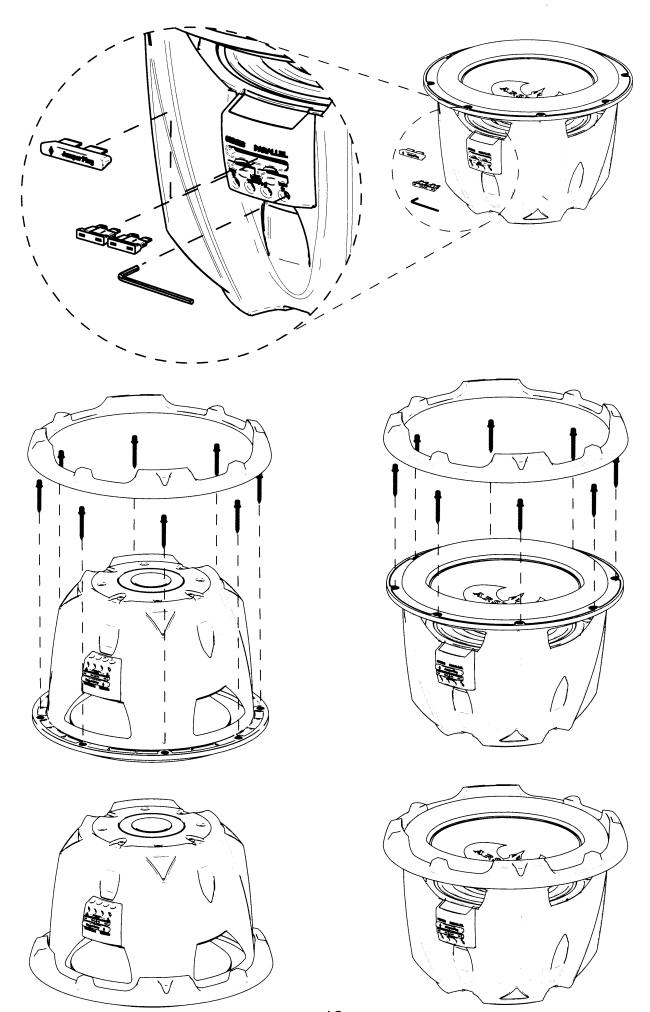
When the speaker cannot be attached in the car, make the sealed enclosure as recommended in the table below—20 mm (3/4 inch) MDF is also recommended for the enclosure materials.

CS-AW8520 & 8540
A 26-14/32 inch (671.8 mm)
B 16-28/32 inch (429 mm)
C 10-31/32 inch (278.9 mm)
D 13-26/32 inch (351.2 mm)
E 13-18/32 inch (370mm)
F 4/32 inch (3 mm)
G 3 inch (76.2 mm)
H 9 inch (228.6 mm)
I 21 inch (533.4 mm)
J 3.255 ft³ (0.092 m³)



Parameters	CS-A	CS-AW8520		N8540	NOTES	
Parameters	parallel series parallel series		series	NOTES		
Nominal Impedance (Ω)	2Ω	+ 2Ω	4Ω -	+ 4Ω		
SPL (dB,1W/1M)	88.09 dB	88.23 dB	88.37 dB	88.44dB	SPL : Sound pressure level	
Displacement (Liter)	0.40	03 ft ³	0.40	3 ft ³		
Hole Cutout Diameter (inch)	Dia. 13 -	30/32 inch	Dia. 13 - 3	30/32 inch		
(mm)	(3:	54 mm)	(3	54 mm)		
Mounting Depth (inch)		32 inch		32 inch		
(mm)	(245.8	5 mm)	(245.8	5 mm)		
Re (Ω)	1.03 Ω	3.99 Ω	2.08 Ω	8.20 Ω	Re : DC voice coil resistance	
BL (T.M)	10.71	21.39	14.38	28.78	BL : Product of Flux density and Effective Voicecoil-wire length	
Vas (Liter)	88.99 L	89.16 L	95.157 L	95.445 L	Vas : Volume of air equal to the driver compliance	
Vas (CuFt)	3.14 ft ³	3.14 ft ³	3.36 ft ³	3.37 ft ³		
Me (g)	299.92 g	299.10 g	274.15 g	274.04 g	Me : Effective mass	
D (mm)	Dia. 25	53 mm	Dia. 2	53 mm	D : Effective cone diameter	
Fs (Hz)	27.7 Hz	27.7 Hz	28.0 Hz	27.9 Hz	Fs : Driver free air resonance	
Qms	6.396	6.413	5.517	5.472	Qms : Q of driver at Fs considering only non-electrical resistance	
Qes	0.466	0.453	0.483	0.476	Qes : Q of driver at Fs considering only electrical resistance	
Qts	0.434	0.423	0.445	0.438	Qts : Total Q of driver at Fs	
Pe [max.] (W)	150	0 W	150	0 W	Pe[max.] : Maximum continuous input power	
Xmax.(mm)	24.7	' mm	23.7	mm .	Xmax. : Maximum effective voicecoil travel without distortion	
Freq.Responce (Hz)	28 ~5	00 Hz	29 ~5	00 Hz		
Magnet Mass (oz)	308.	94 oz	308.	94 oz		
(g)	(8757	'.96 g)		'.96 g)		
Voice Coil(Aluminum)Dia.(inch)	Dia. 3 -	7/32 inch	Dia. 3 -	7/32 inch		
(mm)		.54 mm)		.54 mm)	1	
Hvc (mm)		i mm		mm	Hvc : Voice coil Height	
Hag (mm)	10	mm	10	mm	Hag : Gap Height	





TO OUR VALUED CUSTOMER -

THANK YOU FOR PURCHASING THIS JVC PRODUCT.
WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

NEED HELP O N HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?

JVC IS HERE TO HELP! TOLL FREE: 1(800)252-5722 http://www.jvc.com

Remember t	o retain your Bill of Sale for Warranty Service.
***************************************	Do not attempt to service the product yourself ————
	Caution
	To prevent electrical shock, do not open the cabinet.
	There are no user serviceable parts inside.
	Please refer to qualified service personnel for repairs.

JVC

JVC Product Registration

IMPORTANT: Please fill-out and return in 10 days or Log to JVC.com and register On-Line

First Namo:	
First Name:	
Last Name:	
Address:	
Apt #"	
City:	
State:	
Zip:	
Phone:	
Email Address:	
The information you choose to share product information and other comm	ur responses to this questionnaire. with us will be used by JVC to offer you unications that may interest you. ut these special offers, please check here. { }
Date of Purchase	
Model Number	
Serial Number	
Purchase Price	
Dealer	
1) Did you: - Purchase this product your self? - Receive this product as a gift? 2) In this Product:	5) Your Marital Status
 2) Is this Product: The first product of this type you have ever owned? A replacement for a similar JVC product? A replacement for a similar product made by another company? An addition to a similar product you are still using? 	6) Your Marital Status - Married - Single 7) What is your approximate annual
	household income level?
3) What factors most influenced your decision to purchase this product? - JVC brand reputation - Previous experience with JVC products - Price - Specific product features - Style/appearance - Salesperson's recommendation - Friend/relative's recommendation - Warranty coverage - Other	- Under \$25,000 - \$25,000 - \$49,000 - \$50,000 - \$74,000 - \$75,000 - \$99,000 - \$100,000 and over
4) How did you learn about this product? - Magazine Advertisement - Newspaper Advertisement - TV/Radio Announcement - Product Brochure - Direct Mail - Mail Order Catalog - Friend/Relative Recommendations - Salesperson/Store Recommendation - Internet - Dealer Event - Other	JVC Thanks you for completing this questionnaire.
	Your responses will help us reach you with offers that may interest you. If you prefer not to receive these offers

please check here { }

Thank you for purchasing



Instructions
Fold so opening is at the top.
Tape in middle or on front.

Please do not send products or other correspondence to this address.

JVC AMERICAS CORP 1700 Valley Road Wayne, NJ 07470

307C



PLACE FIRST-CLASS STAMP HERE



PRODUCT REGISTRATION CARD/QUESTIONNAIRE

US CUSTOMERS ONLY

Registering your product will allow us to contact you in the unlikely event a product safety notification is required.

This form is for Product Registration purposes only. Failure to return this form does not diminish your rights during the warranty period.

THANK YOU FOR PURCHASING THIS JVC PRODUCT

REGISTER ONLINE AT: WWW.JVC.COM

CANADA ONLY

JVC

OWNER'S COPY OF WARRANTY CARD
COPIE D'ENREGISTREMENT DE LA GARANTIE
DU PROPRIÉTAIRE

(Save sales docket together with this warranty card, as a proof of date of purchase. La facture et cette grantie sont vos preuves de la date d'achat; rangez-les.)

MODEL . MODELE .		SERIAL NO. NO DE SÉRIE	: :	
Purchase from. Acheté chez			Date purchased	
Dealer's Address Adresse du Vendeur		<u>.</u>		
No. No		Street Rue		
City or Town Ville Owner's Name Nom du Proprietaire	Prov. Prov.			Postal Code Code Postal
Owner's Address . Adresse du Proprietaire.				
·	No. No	Street Rue		Apt. App.
City or Town Ville	Prov. Prov.			Postal Code Code Postal

BT-52006-2 PRINTED IN TAIWAN (1002)Detach here. à découper ici

WARRANTY CONTROL CARD CARTE DE CONTRÔLE DE LA GARANTIE DISTRIBUTED IN CANADA BY JVC CANADA INC.

WARRANTY APPLIES ONLY TO PRODUCT

IMPORTANT: This warranty control card must be filled in and posted to the address indicated on the back hereof or register via internet within 7 (seven) days from the date of purchase. IMPORTANT: Cette carte doit être renvoyée dûment remplie à l'adresse indiquée au verso, dans les 7 jours de la date d'achat ou aller sur le site par internet pour enregistrement.

MODEL :	·	ASE PRINT/EN LETTERS M SERIAL NO. NO DE SÉRIE	,	
Purchased from . Acheté chez Dealer's Address			Date purchased	:
Adresse du Vendeur	; No.	Street		
	No	Rue		
		Prov. Prov.		Postal Code Code Postal
Owner's Address Adresse du Proprietai	re [:]			
	No. No	Stree Rue	et .	Apt. App.
City or Town Ville		Prov. Prov.		Postal Code Code Postal
1 1/		1 1 2	,	I

You may also register on-line at:www.jvc.ca

Vous pouvez également vous inscrire par internet à:www.jvc.ca

Warranty applies only to PRODUCT distributed in Canada by JVC Canada

La garantie s'applique seulement aux PRODUITS distribués au Canada par JVC Canada Inc.

WARRANTY GARANTIE

JVC CANADA INC.

21 Finchdene Square, Toronto, ON M1X 1A7 TEL: (416) 293-1311 FAX: (416) 293-8208

http://www.jvc.ca

JVC CANADA INC. (hereafter called "JVC") gives the following express warranty for each new JVC product distributed in Canada by JVC and sold by an authorized JVC dealer.

JVC warrants that this JVC product is free, under normal use and maintenance, from any defects in material and workmanship subject to the following terms and conditions:

1. To Obtain Warranty Service:

- (a) The JVC Warranty Control Card herein provided must be completed in full and posted or registered via internet within 7 days of date of purchase of the JVC product.
- (b) This JVC Warranty Control Card must be completed in full and presented together with proof of purchase of the JVC product requiring service.
- (c) The JVC product must be brought in for service to an authorized JVC Service Centre.

2. Limitation:

This Warranty shall not apply to:

- (a) Repair or replacement of any cabinets, batteries, plates, connection cords, antennas, dust covers, knobs, speaker grills, speaker cones, projection screens, projection screen savers, and all accessories.
- (b) Any defects caused or repairs required as a result of misuse, abusive operation, negligence, improper use and/or insufficient care.
- (c) Any defect caused or repairs required as a result of not following the instructions in the operation manual.
- (d) Any JVC product tampered with, adjusted or repaired by any party other than JVC or authorized JVC Service Centre personnel.

JVC CANADA INC. (ci-après appelé "JVC") énonce la garantie expresse suivante pour tout nouveau produit JVC, distribuè au Canada par JVC et vendu par un détaillant JVC autorisé.

JVC vous garantit que ce produit JVC est dégagé. sous une utilisation et d'entretiens normaux, de tout défauts d'habileté professionnelle et d'articles sous réserve des modalités et conditions suivantes:

1. Pour obtenir un service de garantie:

- (a) La carte garantie de contrôle JVC ci-incluse doit contenir les renseignements complets et être postée d'achat du produit JVC ou aller sur le site par internet pour enregistrement (7) de la date d'achat du produit JVC.
- (b) Cette carte garantie de contrôle JVC doit contenir les renseignements complets et être présentée avec la preuve d'achat de l'article JVC pour obtenir le service.
- (c) Le produit JVC doit être apporté chez un détaillant JVC autorisé pour un service d'entretien.

2. Restrictions:

Cette garantíe ne s'applique pas aux:

- (a) Réparation ou remplacement de tous cabinets, batteries, panneaux avant, cordons de raccord, antennes, housses de protection, boutons, treillis d'enceinte accoustique, cônes de haut-parleur, écrans de projection, protecteurs d'écrans de projection, et tous les accessories.
- (b) Tous défauts occasionnés ou réparations requises suite à une utilisation abusive ou mauvaise, de négligence, soins insuffisants et/ou utilisation incorecte.
- (c) Tous défauts occasionnés ou reparations requises suite à l'omission de suivre les recommandations d'un manuel d'instruction.
- (d) Tout produit JVC touché, ajuste ou réparé par toute autre entreprise que JVC ou un centre de service d'entretien et de réparation autorisé JVC.

- (e) Any JVC products on which the serial number has been defaced, modified or removed.
- (f) Maintenance, cleaning or periodic check-up
- (g) Conversion to foreign or domestic voltage or frequency.
- (h) Any JVC product without the Canadian Electrical Safety Regulations ID.
- (i) Any JVC products used for commercial or institutional, rental, or display purposes.
 Parts.....1 year (except video head - 90 days)

Labour... 90 days

- (j) Any JVC product which has been resold and no longer owned by the original purchaser.
- (k) Product purchased from "outside Canada", "bankruptcy" or "liquidator".

- (e) Tout produit JVC dont le numéro de série a été mutilé, modifié ou entevé.
- (f) L'entretien, vérifications périodiques ou nettoyage.
- (g) La conversion à une fréquence, une tension értangère ou domestique.
- (h) Tout produit JVC sans le signe d'identification (SA) du Canada.

Main-d'oeuvre... 90 jours

- (j) Tout produit JVC qui a été revendu et qui n'est plus la propriété de l'acheteur originel.
- (k) Produit achete à "l'extérieur du Canada", "faillite" ou "liquidateur".

WARRANTY TERM (VALID FROM THE DATE OF PURCHASE) CONDITIONS DE GARANTIE (VALABLE à PARTIR DE LA DATE D'ACHAT)

PARTS (Years) PIECES (années)	Labour (Years) MAIN-D'OEUVER (années)
1	1
	PARTS (Years) PIECES (années)

In-Home service to be provided where available.

* Where it is not available, the Purchaser must assume the responsibility and expense for the proper packing, shipment, and all costs associated with the delivery of the equipment to and from the closest JVC Authorized Service Centre.

Service a domicile fourni par un détaillant disponible.

* S'il n'y à pas de service JVC disponible à proximité, l'acheteur doit assumer la responsabilité et les coûts pour un emballage adéquant, léxpédition, ainsi que tous les coûts associés à la livraison de l'équipment par et depuis le détaillant JVC autorisé pour un Service d'entretien.

Receivers, Home Speaker Systems, Car Audio "digifine" and "ARSENAL" series Récepteurs, systèmes de haut-parleur maison, Audio D'auto des series "digifine" et "ARSENAL"	2	2
AC Adapters, Remote Controls, Headphones, Microphones Adaptateurs AC, télécommande, casque d'écoute, microphones, piles	90 days 90 jours	90 days 90 jours
Lamp Warranty For Consumer Use Garantie de la lampe pour utilisation de consommateur	1	1
Lamp Warranty For Commercial Use Garantie de la lampe pour utilisation de commerciale	90 days 90 jours	90 days 90 jours
All Other Categories Toutes les autres catégories	1	1

- Any defects caused by fire, flood, lightning, power surge, or other events beyond the control of JVC.
- (m) FOR AUTO PRODUCTS

Warranty does not cover elimination of car static or electrical interferences, cleaning of head, adjustments, or labour cost for the removal or reinstallation of the unit for repair.

3. Standards:

If any defects should be found in a JVC product within the applicable terms, necessary repairs shall be made at no cost to the purchaser for parts or labour when JVC acknowledges that such defects are due to faulty material or workmanship.

- 4. Exclusion of All Other Express Warranties: This warranty constitutes the entire express warranty given by JVC for JVC products and no dealer or service centre personnel or his, its or their agent or employee is, or are authorized to extend or enlarge this warranty on behalf of JVC.
- Disclaimer of Consequential Damage:
 To the extent the law permits JVC disclaims any responsibility for loss of time or use of its product, transportation costs, or any other indirect, incidental or consequential damage or inconvenience.

New

And mail to the address below. You may also register on-line at:www.jvc.ca

Detach here.

 Tous dommages occasionnés par le feu, inondation, éclair, surtension ou autres évènements hors du contrôle de JVC.

(m) POUR LES PRODUITS DE L'AUTOMOBILE La garantie ne couvre pas l'élimínation d'interférences statiques ou électriques de la voiture, le nettoyage de tête, les adjustements, ou les coûts de main-d'oeuvre associés à l'enlèvement ou à la réinstallatíon de l'unté pour réparation.

3. Criteres:

Si un produit JVC s'avérait défectueux selon les conditions applicables, les réparations nécessaries seront effectuées sans coûts additionnels à l'acheteur pour les pièces et main d'oeuvre lorsque JVC reconnaît que de telles défectuosité sont causées par une défectuosité de matériel ou de fabrication.

- 4. Exclusion de toutes autres garanties expresses: Cette garantie constitue l'entière garantie express donnée par JVC pour les produits JVC. Nul représentant ou employé d'un détaillant ou d'un service d'entretien n'est autorisé à prolonger cette garantie au nom de JVC.
- Dénégation des dommages indirects:
 Dans la mesure permise par la loi, JVC dénie toute responsabilité pour perte de temps ou d'usage de ses produits, des coûts de transports, ou tout autre dommage ou inconvénient indirect, accidentel et conséquent.

Neut

Et poster à l'adress ci-dessous. Vous pouvez également vous inscrire par internet à: www.jvc.ca

à découper ici

PLACE STAMP HERE (affranchissement)

JVC CANADA INC.

21 Finchdene Square Toronto, ON M1X 1A7



LIMITED WARRANTY

2-2 USA ONLY

ONLY FOR PRODUCT PURCHASED IN U.S.A.

JVC Americas Corp. (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")

PARTS		LABOR	
	2 YRS		2 yrs

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Please do not return your product to the retailer

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

- 1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
- 2. Initial installation, installation and removal from cabinets or mounting systems.
- 3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning,
- 4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
- 5. Signal reception problems and failures due to line power surge;
- 6. User Removal Memory Devices/Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
- 7. Accessories;
- 8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
- 9. Products used for commercial purposes, including, but not limited to rental.
- 10. Loss of data resultant from malfunction of hard drive or other data storage device;

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC AMERICAS CORP.

1700 Valley Road, Wayne, New Jersey 07470

http://www.jvc.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

ither on the rear, bottom or side of the cabinet.
illier on the rear, pottom or side of the cabinet.
Serial No. :
Name of dealer :